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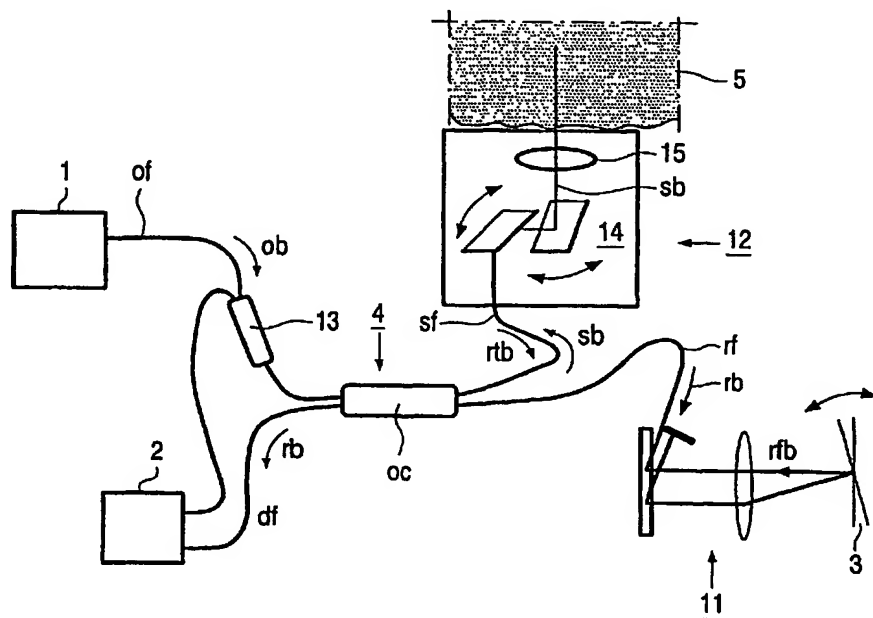
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02078265.2 7 August 2002 (07.08.2002) EP</p> <p>(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): 'T HOOFT, Gert,</p> | <p>W. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). LENDERINK, Egbert [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).</p> <p>(74) Agent: COHEN, Julius, S.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).</p> <p>(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p>(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,</p> |
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(54) Title: OPTICAL COHERENCE TOMOGRAPHY



(57) Abstract: An optical coherence tomography system comprises an optical source (1) has an emission wavelength in the range of 1.6(μ m to 2.0(μ m, in particular having an infrared emission predominantly at a wavelength of 1.8(μ m associated with a transition between an upper energy level and a lower energy level and the optical source comprises an excitation system which generates stimulated emission from a pump level to the upper energy level. Preferably, the optical source includes a Tm-doped fibre (6) in an optical cavity (1.8).

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